References and Resources

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Exposure Assessment Branch

EETD/OPPT

Selected Key References and Resources

- U.S. EPA Guidelines for Exposure Assessment (1992)

- U.S. EPA Exposure Factors Handbook (1997)

- U.S. EPA Child-Specific Exposure Factors Handbook (2001)

- U.S. EPA OPP SOPs for Residential Exposure Assessment (2001)

- U.S. EPA Science Policy Council Handbook: Risk Characterization (2000)

- U.S. EPA/OPPT Exposure Tools and Models Web Page

U.S. EPA Guidelines for Exposure Assessment

- A broad framework for exposure assessments

- Exposure assessment concepts, definitions and units

- Planning and conducting an exposure assessment

- Presenting and characterizing assessment results, uncertainties and data gaps

- www.epa.gov/ncea/exposure.htm

U.S. EPA Exposure Factors Handbook

- Purpose
  - Summarize data on human behaviors and characteristics affecting exposure
  - Recommend exposure factor values
- Three Volumes
  - Volume 1 - General Factors
  - Volume 2 - Food Ingestion Factors
  - Volume 3 - Activity Factors
- www.epa.gov/ncea/exposfac.htm

U.S. EPA Child-Specific Exposure Factors Handbook

- Consolidates child-specific exposure factors
- External Review Draft - June 2000 (hard copy and internet)
- More details in Jackie Moya's presentation

U.S. EPA OPP SOPs for Residential Exposure Assessment (2001)

- Resident application of product
  - inhalation and dermal
  - liquid, spray, granule, etc.
  - indoor/outdoor
- Post-application exposure
  - inhalation, dermal, hand-to-mouth ingestion
  - indoor/outdoor
- www.epa.gov/oppfead1/trac/science

U.S. EPA Science Policy Council Handbook: Risk Characterization

- Guidance in the form of critical elements to be found in a risk characterization

- Understanding risk characterization

- Risk characterization principles

- Elements of risk characterization

- www.epa.gov/ORD/spc/2riskchr.htm

U.S. EPA/OPPT Exposure Tools and Models Web Page

- Models downloadable from Web Site
  - ChemSteer
  - E-FAST
  - EPI Suite
  - MCCEM
  - WPEM
- www.epa.gov/oppt/exposure